B.B.M.P

BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: Improvements to roads and drains at Kuvempunagar 1st stage and 2nd stage Hosabalunagar, Ashraya layout,Singapura, Naidu Layout, Maariyamma block and surrounding areas in Ward no.11 (New ward no.14)Kuvempunagar

Estimated Cost Rs. 64.50 Lakhs

Bruhath Bengaluru Mahanagara Palike

YELAHANKA ZONE

Name of the work : Improvement to roads and drains at Kuvempunagar 1st Stage & 2nd stage Hosabalunagar , Ashraya layout , Singapura , Naidu Layout , Maariyamma Block and Surrounding areas in Ward no .11 (New Ward No.14) Kuvempunagara

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Earth work Excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. **(PWD SR 2023-24 Vol -I Pg No 5 item no 1.4.1)**								
	Basic Rate	242.00							
	Area Weightage 10%	24.20							
	Total Rate	266.20							
	New RCC Drains								
	Poojamma Temple Road	2	128.50	1.00	0.90	231.30			
	8th Cross KVN 1st stage Kamaraja road	1	60.00	1.00	0.90	54.00			
	2nd Cross Varadaraja nagar	2	100.00	1.00	0.90	180.00			
	Marriyamma temple opp Road	1	100.00	1.00	0.90	90.00			
	New Culverts					0.00			
	Varadaraja nagar	3	6.40	1.50	1.10	31.68			
	Poojamma Temple Road	3	6.00	1.50	1.10	29.70			
						616.68	Cum	266.20	164160.22
2	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. . **Mix 1:4:8 Using 40 mm nominal size graded crushed coarse aggregates (PWD SR 2023-24 Vol -I Pg 15 item no 2.1.2)**								
	Basic Rate	5664.00							
	Area Weightage 10%	566.40							
	Total Rate	6230.40							
	New RCC Drains								
	Poojamma Temple Road	2	128.50	0.90	0.15	34.70			
	8th Cross KVN 1st stage Kamaraja road	2	60.00	0.90	0.15	16.20			
	2nd Cross Varadaraja nagar	2	100.00	0.90	0.15	27.00			
	Marriyamma temple opp Road	2	100.00	0.90	0.15	27.00			
	New Culverts								
	Varadaraja nagar	3	6.40	1.20	0.15	3.46			
	Poojamma Temple Road	3	6.00	1.20	0.15	3.24			
						111.59	Cum	6230.40	695256.57
3	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification **H. All other type of structures (PWD SR 2023-24 Vol -I Pg 99 item no 2.11.h)**								
	Basic Rate	79011.00							
	Area Weightage 10%	7901.10							
	Total Rate	86912.10							
	For RCC Drain, 60kg/Sqm	1	227.27	60.00		13636.35			
	For RCC Culvert, 90kg/Sqm	1	16.96	90.00		1526.69			
						15.16	Tn	86912.10	1317851.47
4	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications **M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2023-24 Vol -I Pg 16 item no 2.4.2))**								

	Basic Rate	6323.00							
	10% for Centring	632.30							
	Sub Total	6955.30							
	Area Weightage 10%	695.53							
	Total Rate	7650.83							
	Rcc Drain Raft								
	Poojamma Temple Road	2	128.50	0.75	0.15	28.91			
	8th Cross KVN 1st stage Kamaraja road	2	60.00	0.75	0.15	13.50			
	2nd Cross Varadaraja nagar	2	100.00	0.75	0.15	22.50			
	Marriyamma temple opp Road	2	100.00	0.75	0.15	22.50			
	Rcc Drain Wall								
	Poojamma Temple Road	4	128.50	0.15	0.60	46.26			
	8th Cross KVN 1st stage Kamaraja road	4	60.00	0.15	0.60	21.60			
	2nd Cross Varadaraja nagar	4	100.00	0.15	0.60	36.00			
	Marriyamma temple opp Road	4	100.00	0.15	0.60	36.00			
						227.27			
	New Culverts								
	Rcc Culvert Raft								
	Varadaraja nagar	3	6.40	1.20	0.15	3.46			
	Poojamma Temple Road	3	6.00	1.20	0.15	3.24			
	New Culverts								
	Rcc Culvert Wall								
	Varadaraja nagar	6	6.40	0.23	0.60	5.30			
	Poojamma Temple Road	6	6.00	0.23	0.60	4.97			
						16.96			
						244.24	Cum	7650.83	1868605.82
5	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. **Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregate (PWD SR 2023-24 Vol -I Pg 15 Item No. 2.1.6))**								
	Basic Rate	6243.00							
	Area Weightage 10%	624.30							
	Total Rate	6867.30							
	Culvert - Ramp								
	Varadaraja nagar	6	6.40	1.20	0.10	4.61			
	Poojamma Temple Road	6	6.00	1.20	0.10	4.32			
						8.93			
						8.93	Cum	6867.30	61,311.25
6	Providing and laying 100mm thick pre-cast cover slabs over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/ m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete. **(PWD SR 2023-24 Vol -II Pg No. 177 item No. 17.14)**								
	Basic Rate	1170.00							
	Area Weightage 10%	117.00							
	Total Rate	1287.00							
	Rcc Drain Slabs								
	Poojamma Temple Road	2	128.50	0.75		193			
	8th Cross KVN 1st stage Kamaraja road	2	60.00	0.75		90			
	2nd Cross Varadaraja nagar	2	100.00	0.75		150			
	Marriyamma temple opp Road	2	100.00	0.75		150			
						582.75	Sqm	1287.00	749999.25
7	Providing and Fixing pre cast Covering Slab 230mm thick made out of M20 and jelly 20mm Down size with steel reinforcement including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge **(Approved Data Rate)**								
	Data Rate	5037.00							
	For Culverts								
	Varadaraja nagar	3	6.40	1.20		23.04			
	Poojamma Temple Road	3	6.00	1.20		21.60			
						44.64	Sqm	5037.00	224851.68
8	Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum. (Tipper 14 m3) (PWD SR 2023-24 Vol-III Page No. 5, Item No.1.1A)								

	Basic Rate	135.00							
	Area Weightage 10%	13.50							
	Total Rate	148.50							
	Qty frm Item No-1		616.7			616.68			
						616.68	t.Km	148.50	91,576.98
9	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (V-III Page No.5, Item No.1.4 b of PWD SR 2023-24)								
	Basic Rate	8.00							
	15KM Lead = 8*10	180.00							
	Area Weightage 10%	18.00							
	Total Rate	198.00							
			616.7	1.28		789.35			
						789.35	t.Km	198.00	156291.38
								Total Construction Cost	5329904.62
								18% GST for Construction Cost	959382.83
								3% TENDER PREMIUM	159897.14
								Sub Total - 1	6449184.59
								Utility Shifting,Miscellaneous and Rounding off	815.41
								GRAND TOTAL	6450000.00

CERTIFICATE:

1) The work spot has been inspected and found to be necessary.
2) The work spot comes under B.B.M.P Limits.
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of PWD 2023-24 and Date Rates.

Assistant Engineer
Ward No-14
BBMP Bangalore

Asst. Executive Engineer,
Vidyaranyapura Sub Division
BBMP Bangalore

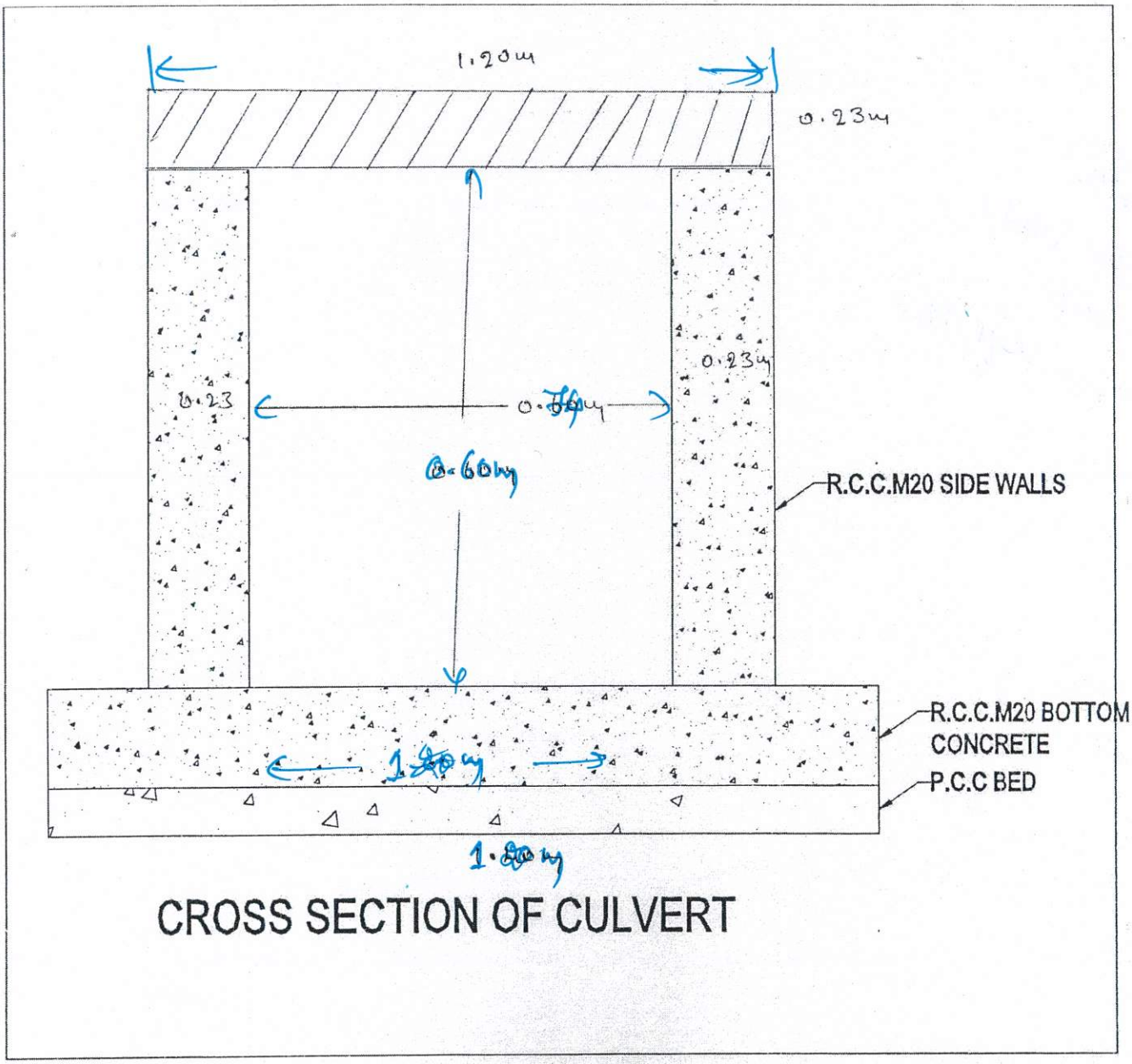
Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Executive Engineer
Bytarayanapura Division
BBMP Bangalore

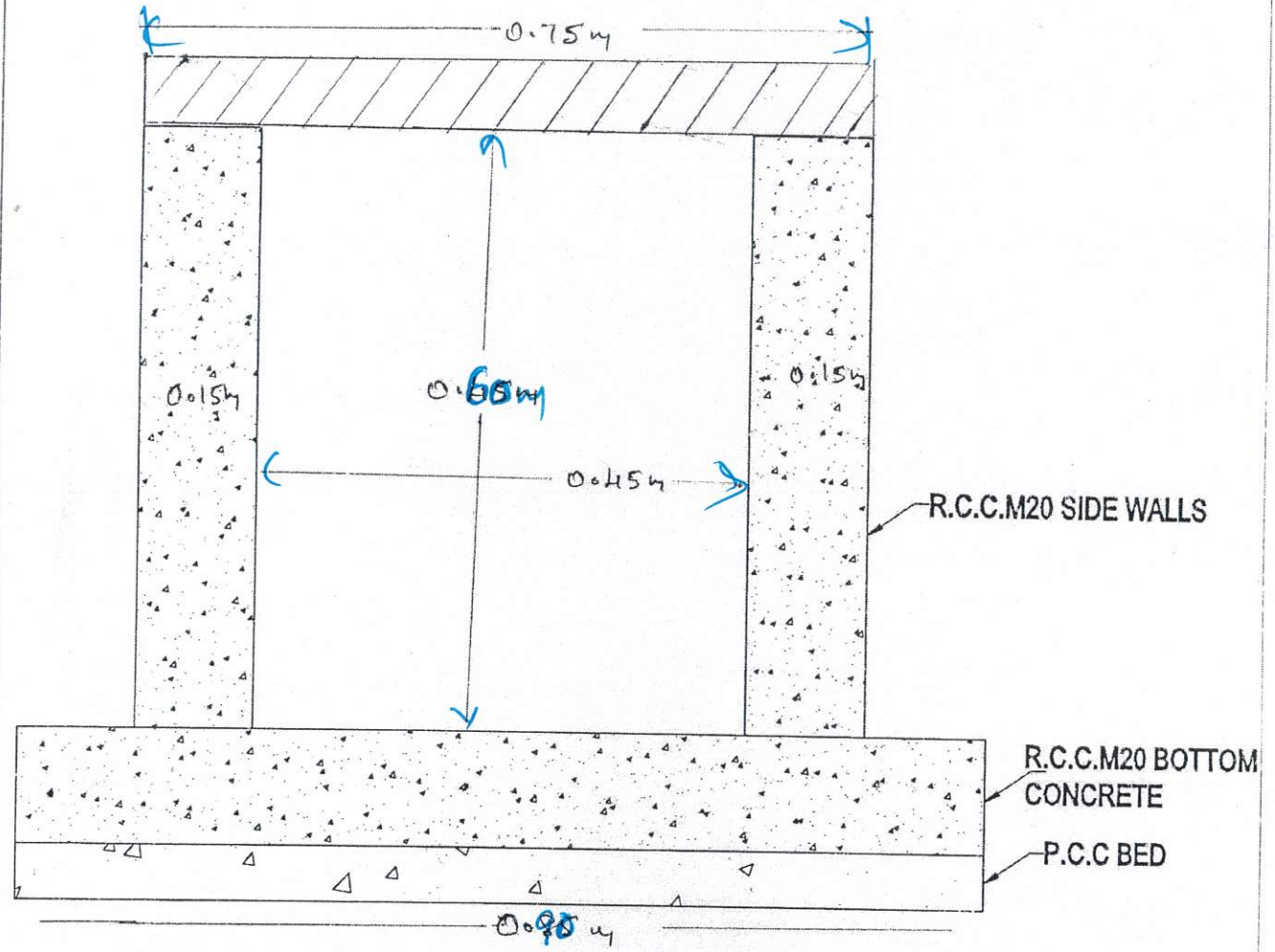
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೈಯ್ಯಪ್ಪನಹಳ್ಳಿ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

ADMINISTRATIVE SANCTION
Accorded for Rs. 64.50 Lakhs
Head of A/c. P1878
Dir. Ref. No. 51 Date 15/10/24
AE/DM
EE(BTP) BBMP

Technical Sanction
Accorded For Rs. 64.50 Lakhs
Head of A/C. P1878
CER NO : 58 Dt: 15/10/24



CROSS SECTION OF CULVERT



CROSS SECTION OF R.C.C DRAIN

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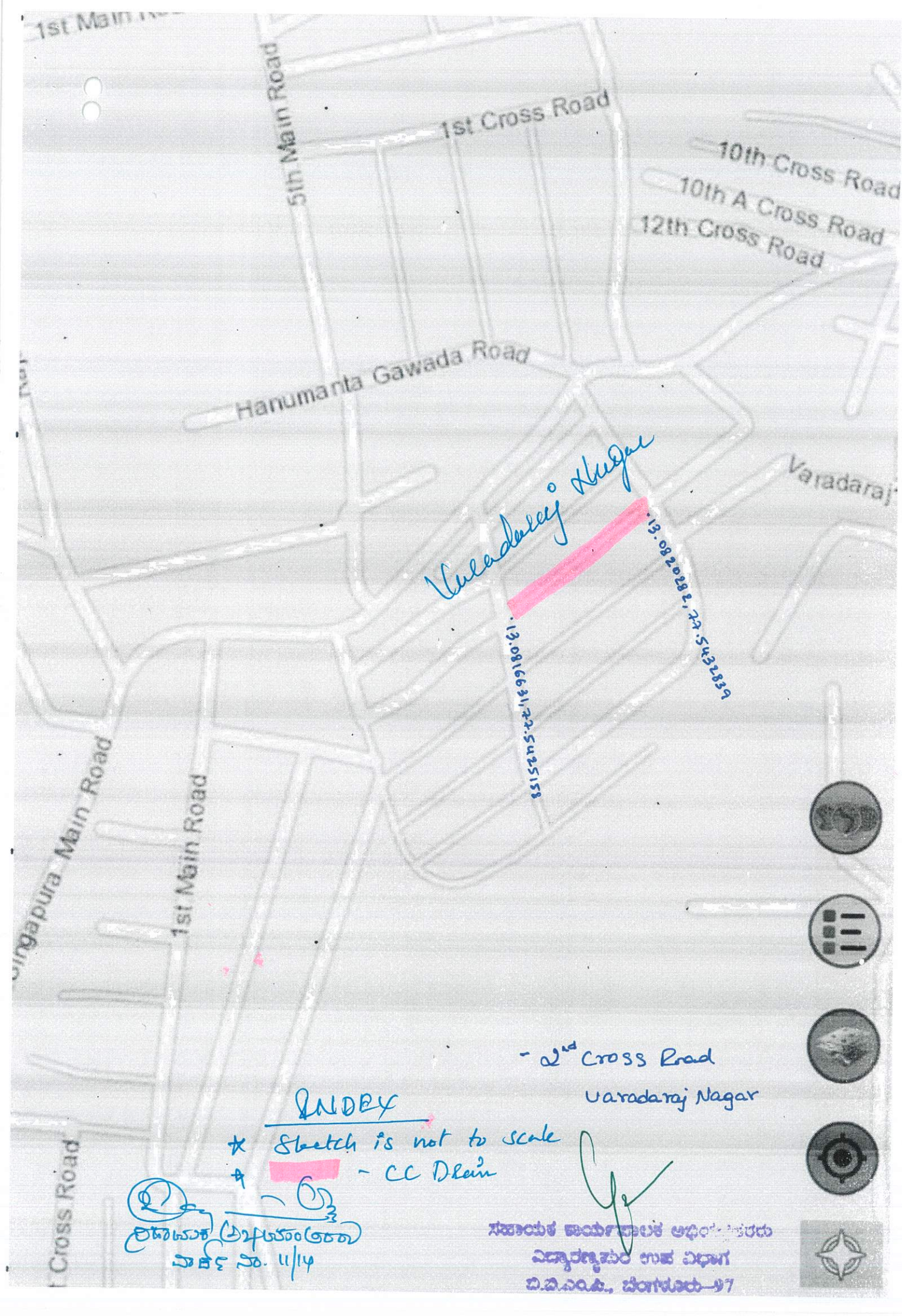

- 2nd Cross Road
Varadaraj Nagar

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* Sketch is not to scale
* ____ - CC Drain

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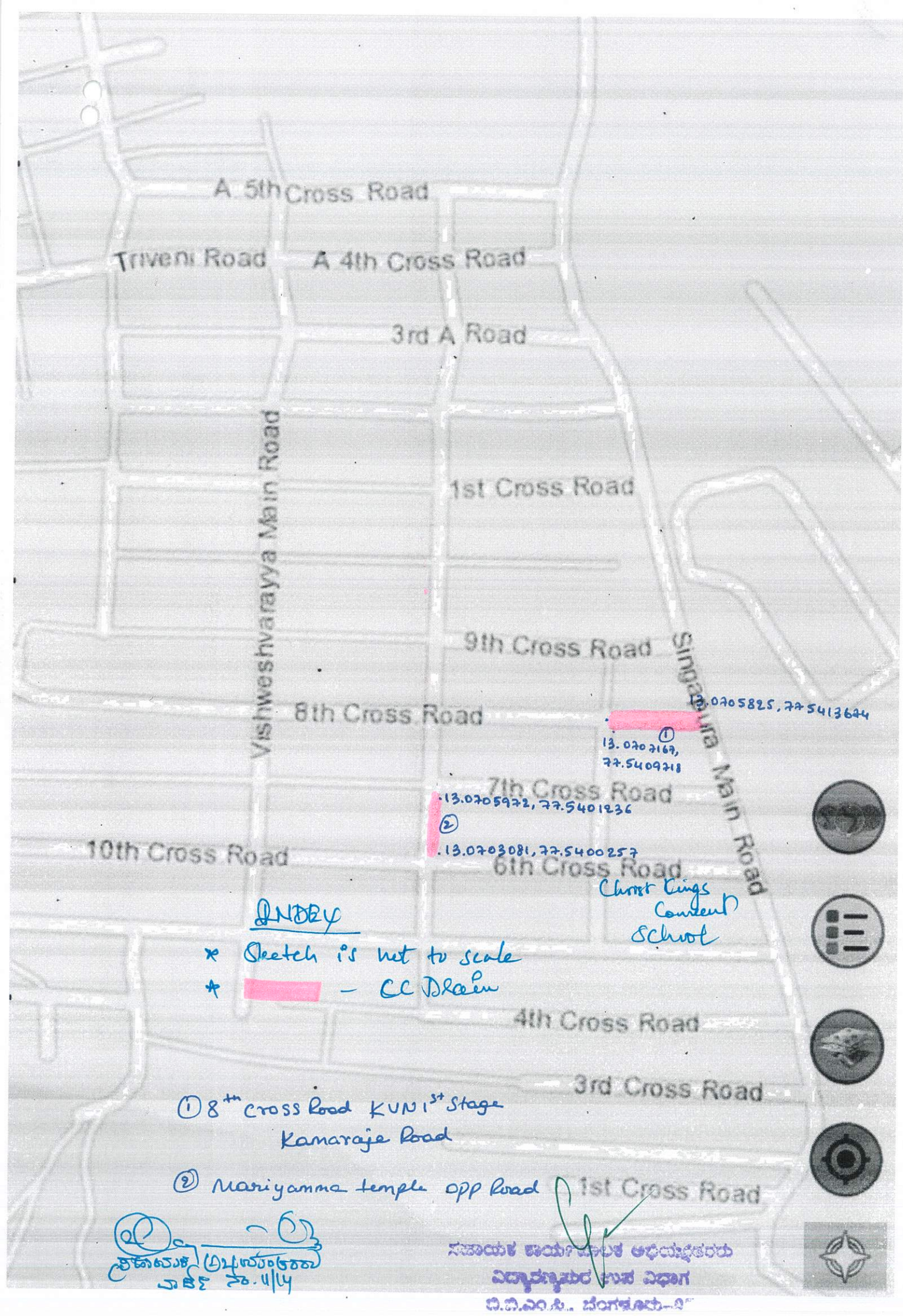
ಪಾಲಿಕೆ ನಂ. 11/14



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ವಿದ್ಯುಚ್ಛಕ್ತಿ ಪಂಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-೨೦

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* Sketch is not to scale
* ▭ – CC Drain

– Poojamma temple Road Singapura village.

ಕಿರಿಯ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ. 11/14

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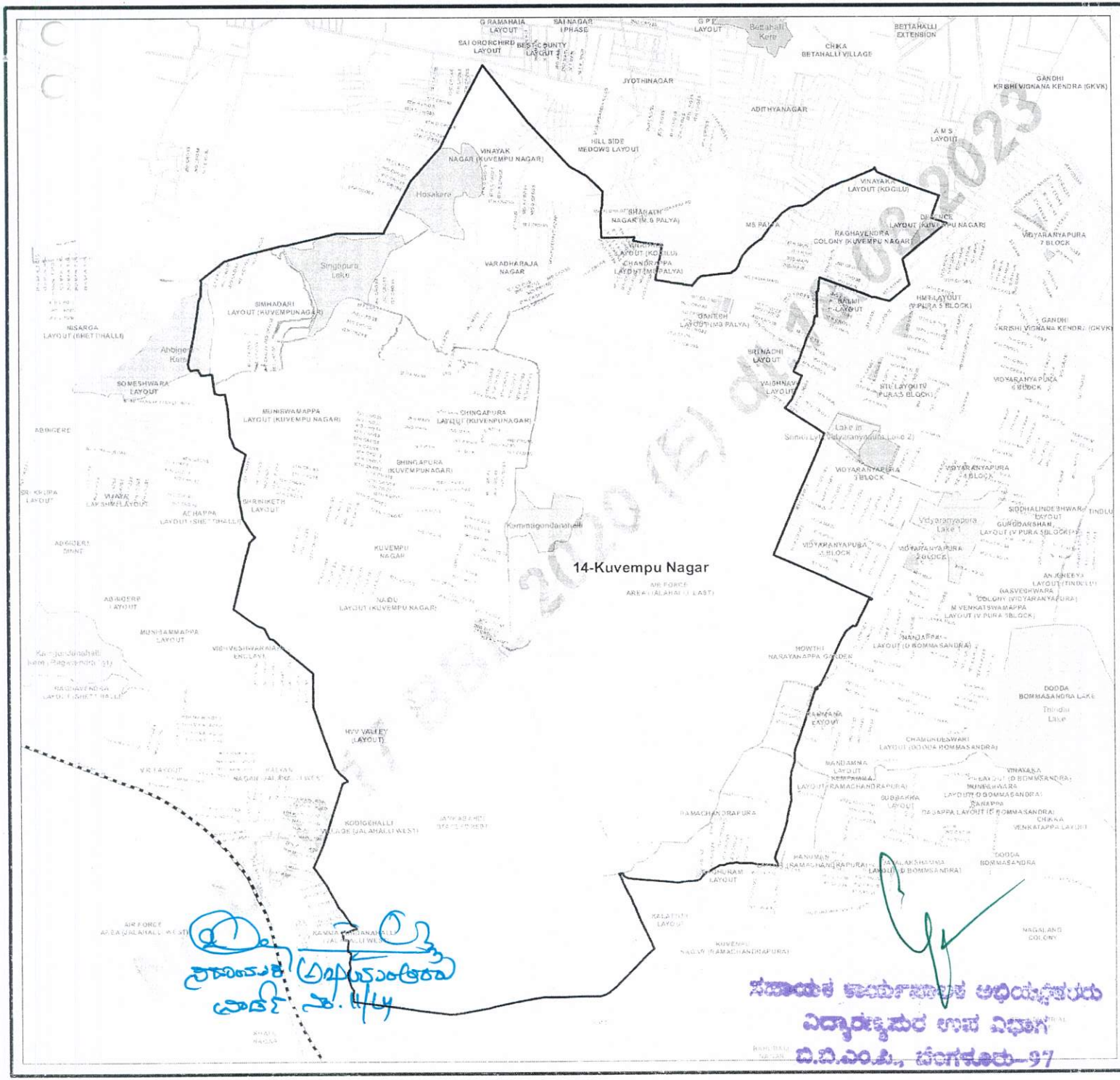

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W E

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Delimitation of Wards in BBMP - 2023

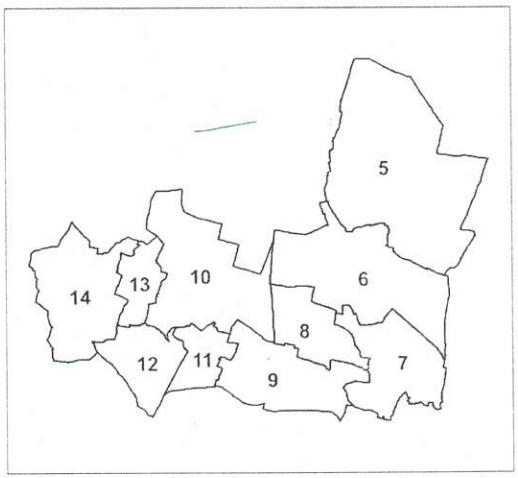
Ward Name

14-Kuvempu Nagar

Legend

- Delimited Ward Boundary
- Delimited Ward Area
- Road
- Railwayline
- Park
- Tank/ Pond/ Storm Water Drain

152- Byatarayanapura AC



Government of Karnataka Notification
No.UDD 17 BBL 2020 (E) dt.18.08.2023

Delimitation Commission